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09/321,360

05/27/1999

MICHAEL F. GUHEEN

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89713

7590

03/30/2011

ACCENTURE c/o MURABITO, HAO & BARNES LLP

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San Jose, CA 95113

EXAMINER

ROBINSON BOYCE, AKIBA K

ART UNIT

PAPER NUMBER

3628

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PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 09/321,360	<b>Applicant(s)</b> GUHEEN ET AL.	
	<b>Examiner</b> AKIBA K. ROBINSON BOYCE	<b>Art Unit</b> 3628	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 14 March 2011.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-26 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-26 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |   |   |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                    | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)         | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____   | 6) <input type="checkbox"/> Other: _____                          |

## **DETAILED ACTION**

### ***Continued Examination Under 37 CFR 1.114***

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114.

Applicant's submission filed on 3/14/11 has been entered.

### ***Status of Claims***

2. Due to communications filed 3/14/11, the following is a non-final rejection. Claims 1, 7, 13 and 20 have been amended. Claims 1-26 are pending in this application and have been examined on the merits. The previous rejection has been modified to reflect the claims as amended.

### ***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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4. Claims 1-26 are rejected under 35 U.S.C. 103(a) as being obvious over Rassman, et al (US Patent 4,937,743), and further in view of Turnbull (US Patent 5,208,765).

As per claims 1, 7, 13, Rassman, et al discloses:

displaying a pictorial representation of an existing system including a plurality of components, (Col. 2, lines 59-65, [information about available resources in a provided database is being graphically displayed], Col. 14, lines 13-16, Fig. 7, [shows how resources 123, 233, 224 {which represent components} are displayed ]);

identifying, from the plurality of components, a first component group containing additional components and a second component group containing optional components, the additional components being required for an implementation of the system, the optional components being optional for the implementation for the system, (Col. 8, lines 61-8, lines 8-36, shows primary and secondary resources, which represent first and second component groups, respectively. Specifically col. 8, lines 15-20 shows that during the display of primary resources, the display of several pieces of data relating to secondary resources can be made (secondary pieces of data represent additional components). Also, specifically, in col. 8, lines 20-36, the implementation of an application where the display of secondary resources can be employed to make additional options available, which represent the optional components);

compiling, by the processor...listing of additional components for implementation into the existing system/...compiles...listing of additional

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components for implementation into the existing system, (Col. 3, lines 7-11, [discloses that the resource information in the database can be updated to have or list the most recent data {resource information}], w/ col. 2, lines 8-17, shows use of project planners are well known where sequential scheduling of tasks are implemented);

determining a first set of the additional components for implementation in a first implementation phase/...determines a first set of the additional components for implementation in a first implementation phase, (Col. 4, lines 58-65, [resource information in the primary database], (Col. 8, lines 8-10, [shows primary resource is planned according to a given block of time {phase} represented by a "cell"]));

determining a second set of additional components for implementation in a second implementation phase/...determines a second set of additional components for implementation in a second implementation phase, (Col. 4, line 66-Col. 5, line 8, [resource information in the secondary database], Col. 8, lines 21-24, [shows secondary resource is represented by a "cell", which represents a given block of time {phase}]);

modifying, through the display adapter by the processor, the pictorial representation of the existing system to show a pictorial representation of the first set being indicia coded to indicate that they are to be delivered in the first implementation phase/...modifies the pictorial representation of the first set of components being indicia coded to indicate that they are to be delivered in the first phase (Col. 3, lines 10-11, [displaying resource utilization for the most recent

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data after data in resource database is updated], Col. 6, lines 20-22 and lines 25-26, [shows that primary resources {first set of components} are displayed], Col. 14, lines 12-16 and Fig. 7, where the components [represented by resources] for the first phase are indicia coded by the vertical rectangles labeled “Y” One for phase one)

modifying, through the display adapter by the processor, the pictorial representation of the existing system to show a pictorial representation of the second set being indicia coded in a manner different from the indicia coding of the first set of components to indicate that the second set of components is to be delivered in the second implementation phase/...modifies the pictorial representation of the existing system to show a pictorial representation of the second set of components being indicia coded in a manner unique with respect to the indicia coding of the first set of components to indicate that the second set of components is to be delivered in the second phase, (Col. 3, lines 10-11, [displaying resource utilization for the most recent data after data in resource database is updated], Col. 6, lines 20-22, lines 27-36, [shows secondary resources are displayed], Col. 14, lines 12-16 and Fig. 7, where the components [represented by resources] for the second phase are indicia coded by the vertical rectangles labeled “Y” Two for phase two);

In this particular claim, computer programs, code segment and logic, and a processor that executes computer-executable instructions for performing the logic are inherent with Rassman, et al's system because since he teaches that his method is carried out in a computer system, computer programs using code

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segments, logic, and a processor that executes computer-executable instructions for performing the logic is absolutely necessary for the computer to successfully process information and produce results.

The following is also inherent with Rassman, et al since this patent discloses the “management of a plurality of interrelated and interdependent resources using a computer system”. In Web technology, a web architecture framework consists of a plurality of interrelated and interdependent computer resources, both hardware and software:

a system for providing a web architecture framework...

a code segment that modifies the pictorial representation of the existing system to include indicia coding that associates the plurality of components with vendors that provide products and services associated with the plurality of components to provide a visual display of the products and services offered by each of the vendors, (abstract, Indicia can be made to appear on the display to provide visual identification of symbols as well as information about scheduling, status and conflicts involving the resources. In addition, access to the data base can be made available to provide a continuous update of the display so that the display of the resources is for the most recent data in the data base, also, Figs 4 and 5 shows how a graphical display can be supplemented by a real time textual display, where the textual display shows current utilization of resources, here the association of the plurality of components with vendors that provide products and

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services associated with the plurality of components is represented by the association of doctors (Dr. Hopps) with the Medical department (Gasterctomy).

Rassman et al fails to specifically disclose an ordered listing, the ordered listing providing an order that is required for installing the plurality of components, but does disclose the establishment of predetermined sequences, where it is necessary that one step be completed before the other as shown in col. 11, lines 19-24.

However, Turnbull discloses:

an ordered listing, the ordered listing providing an order that is required for installing the components in the web architecture framework, wherein the ordered listing comprises a sequential order for installing the additional components, (Col. 4, lines 14-20, shows that any person desiring to know the status of product development/production can access the product control matrix 100, which informs the person of requirements that have been completed, which constitutes as the required requirements that have been completed for the development of products [which includes installation of components], also see Fig. 1, which shows an ordered listing of requirements for each stage, w/Col. 8 lines 55-64, shows 10 requirements for the product design stage, where these requirements must include information about products used for design, for example Packing Design is listed as one of the requirements. Although Turnbull shows that the requirements are not listed in a chronological or sequential order



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in col. 9, lines 3-10, this passage also shows that this type of chronological listing is obvious since some requirements must be completed before others.

Specifically, in this passage, Turnbull *shows that to the extent possible, the requirements are performed in parallel, but obviously, as described below, some requirements within a stage must be completed before initiation of other requirements within this stage. One important aspect of requirements 404-1 is that upon successful completion of requirements 404-1, all the basic work has been completed for initiation of requirements 404-2 in engineering samples stage 401-2.* Therefore, as requirements are listed, some of these requirements may not be in chronological order in some instances, but for certain requirements, where a stage must be completed before initiation of other requirements within the stage, it is obvious that these requirements are listed in chronological order, or at least appear, or are in an order as they are required to be completed for each stage, thereby making an ordered listing comprising a sequential order for installing additional components obvious. Turnbull discloses this limitation in an analogous art for the purpose of showing that requirements for developing a product [which includes component installation] are performed in a specific order.

It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to utilize an ordered listing, where the ordered listing provides an order that is required for installing the components in the web architecture framework with the motivation of having the means to implement the development of products in a specific order.

Rassman does not disclose indicia coding selected components in the plurality of components to indicate redundancy in the plurality of components/logic for indicia coding selected components in the plurality of components to indicate redundancy in the plurality of components, and indicia coding other selected components in the plurality of components to indicate an omission, the redundancy indicating a component provided by more than one vendor and the omission indicating a component not provided by a vendor. However, Turnbull, in col. 3, lines 6-16, discloses "In the drawings, similar features in each part of the product control matrix have a common base reference numeral. To distinguish between similar features in different stages, the base reference numeral is followed by a dash and the number of the stage containing the feature. To further distinguish between similar features within a stage, the stage number is followed by a dash and the similar features are sequentially numbered. When a description refers to any one of the similar features, only the base reference numeral is used as a shorthand notation". Also, in col. 26, lines 44-49, Turnbull discloses "The product control matrix for each of the above cases is identical to that described above except the requirements for the qualified elements are eliminated from the matrix. In FIGS. 8a through 15c, the fields following the requirement numbers which have been eliminated are blank", where examiner interprets the requirements for the qualified elements being eliminated as suggesting the "omission" of the present invention. It therefore would have been obvious to combine Rassman with Turnbull to disclose indicia coding components in the plurality of components to

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indicate redundancy in the plurality of components/ logic for indicia coding components in the plurality of components to indicate redundancy in the plurality of components.

It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to disclose indicia coding components in the plurality of components to indicate redundancy in the plurality of components/ logic for indicia coding components in the plurality of components to indicate redundancy in the plurality of components and indicia coding other selected components in the plurality of components to indicate an omission, the redundancy indicating a component provided by more than one vendor and the omission indicating a component not provided by a vendor with the motivation of providing means for determining both repeat and discard data.

As per claims 2, 8, 14, Rassman, et al discloses:  
wherein a legend is presented which defines the indicia coding...(Col. 7, lines 11-18, Col. 8, lines 5-7 [indicia is being used to define an item]).

As per claims 3, 9, 15, Rassman, et al fails to teach wherein the components of the existing system are selected from the group of components including operation services and developer services. Rassman et al would have utilized operation services and developer services with the motivation of accurately scheduling, monitoring and managing resources of the system.

However Turnbull discloses wherein the components of the existing system are selected from the group of components including operation services

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and developer services in Col. 2, lines 27-30 in an analogous art for the purpose of properly operating on and developing the product in order to indicate the completion status.

It would have been obvious to one of ordinary skill in the art to select the components of the system from the group of components including operation services and developer services and incorporating these components from Turnbull into Rassman with the motivation of operating on and developing products so they can be successfully scheduled, monitored and managed.

As per claims 3, 9, 15, the following is inherent with Rassman, et al since this patent discloses the “management of a plurality of interrelated and interdependent resources using a computer system”. In Web technology, a web architecture framework consists of a plurality of interrelated and interdependent computer resources, both hardware and software. It would therefore be inherent to incorporate hardware and software components of web architecture since they can be managed and visually represented as described in Rassman:

a system for providing a web architecture framework...

As per claims 4, 10, 16 Rassman, et al discloses:

wherein the components of the existing system are selected from the group of components including...customer-related services...(Col. 4, lines 36-42, Col. 5, lines 51-53, [hospital services are customer-related where the patient is the customer]).

As per claims 5, 11, 17, Rassman, et al discloses:

wherein the indicia coding is selected from the group of indicia coding including texture coding, color coding...(Col. 6, lines 11-5).

As per claims 6, 12, 18, Rassman, et al discloses:

wherein the step of displaying a pictorial representation of an existing system also includes displaying additional components that may be implemented into the system, (Col. 3, lines 10-11, [displaying resource utilization for the most recent data after data in resource database is updated]).

As per claims 6, 12, and 18, the following is inherent with Rassman, et al since this patent discloses the “management of a plurality of interrelated and interdependent resources using a computer system”. In Web technology, a web architecture framework consists of a plurality of interrelated and interdependent computer resources, both hardware and software. It would therefore be inherent to incorporate hardware and software components of web architecture since they can be managed and visually represented as described in Rassman:

a system for providing a web architecture framework...

As per claim 19, Rassman et al discloses:

In response to determining the first set of additional components, determining remaining components, (Col. 7, lines 55-57, [where it shows that the remaining operating rooms could be scheduled in a similar fashion as the first set of operating rooms in “Case abc”]);

Separating the remaining components into primary components and secondary components, wherein the primary components must be installed before the secondary components, (Col. 12, lines 19-25, [shows separation of

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primary and secondary resources by selecting certain resources as the primary and secondary resources])

Including the primary components in the first set/Including the secondary components in the second set, (col. 12, lines 25-31, [shows separation of primary or secondary resources by selecting certain resources as primary/secondary resources, where operating rooms O represents the primary component, and surgeon S, anesthesiologist, A, etc. represent the secondary component]).

As per claim 20, Rassman et al discloses:

A computer system comprising:

a processor; and

a memory coupled to the processor, the memory having stored therein instructions

that, in response to being executed, cause the computer system to perform a method, (inherent with a computer having a memory shown in claim 1 of Rassman), comprising:

identifying, within an electronic system, a first component group containing a plurality of additional components and a second component group containing a plurality

of optional components, (Col. 8, lines 61-8, lines 8-36, shows primary and secondary resources, which represent first and second component groups, respectively. Specifically col. 8, lines 15-20 shows that during the display of

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primary resources, the display of several pieces of data relating to secondary resources can be made (secondary pieces of data represent additional components). Also, specifically, in col. 8, lines 20-36, the implementation of an application where the display of secondary resources can be employed to make additional options available, which represent the optional components);

compiling a listing of said additional components for implementation into an existing system, (Col. 3, lines 7-11, [discloses that the resource information in the database can be updated to have or list the most recent data {resource information}], w/ col. 2, lines 8-17, shows use of project planners are well known where sequential scheduling of tasks are implemented);

determining a first set of the additional components for implementation in a first

phase, (Col. 4, lines 58-65, [resource information in the primary database], (Col. 8, lines 8-10, [shows primary resource is planned according to a given block of time {phase} represented by a "cell"]));

determining a second set of the additional components for implementation in a

second phase, wherein the first set is implemented before said second set, (Col. 4, line 66-Col. 5, line 8, [resource information in the secondary database], Col. 8, lines 21-24, [shows secondary resource is represented by a "cell", which represents a given block of time {phase}]);

displaying the first set of components with a first indicia coding indicating that the first set of components is to be delivered in the first phase, (Col. 3, lines 10-11, [displaying resource utilization for the most recent data after data in resource database is updated], Col. 6, lines 20-22 and lines 25-26, [shows that primary resources {first set of components} are displayed], Col. 14, lines 12-16 and Fig. 7, where the components [represented by resources] for the first phase are indicia coded by the vertical rectangles labeled “Y” One for phase one); and

displaying the second set of components with a second indicia coding indicating that the second set of components is to be delivered in the second phase, (Col. 3, lines 10-11, [displaying resource utilization for the most recent data after data in resource database is updated], Col. 6, lines 20-22, lines 27-36, [shows secondary resources are displayed], Col. 14, lines 12-16 and Fig. 7, where the components [represented by resources] for the second phase are indicia coded by the vertical rectangles labeled “Y” Two for phase two);

displaying indicia coding that associates components with vendors that provide products and services associated with the components to provide a visual

display of the products and services offered by each of the vendors, (abstract, Indicia can be made to appear on the display to provide visual identification of symbols as well as information about scheduling, status and conflicts involving the resources. In addition, access to the data base can be made available to



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provide a continuous update of the display so that the display of the resources is for the most recent data in the data base, also, Figs 4 and 5 shows how a graphical display can be supplemented by a real time textual display, where the textual display shows current utilization of resources, here the association of the plurality of components with vendors that provide products and services associated with the plurality of components is represented by the association of doctors (Dr. Hopps) with the Medical department (Gasterctomy).

Rassman et al fails to specifically disclose an ordered listing, the ordered listing providing an order that is required for installing the components in the web architecture framework, but does disclose the establishment of predetermined sequences, where it is necessary that one step be completed before the other as shown in col. 11, lines 19-24.

However, Turnbull discloses:

an ordered listing, the ordered listing providing an order that is required for installing the components in the web architecture framework, wherein the ordered listing comprises a sequential order for installing the additional components, (Col. 4, lines 14-20, shows that any person desiring to know the status of product development/production can access the product control matrix 100, which informs the person of requirements that have been completed, which constitutes as the required requirements that have been completed for the development of products [which includes installation of components], also see

Fig. 1, which shows an ordered listing of requirements for each stage, w/Col. 8 lines 55-64, shows 10 requirements for the product design stage, where these requirements must include information about products used for design, for example Packing Design is listed as one of the requirements. Although Turnbull shows that the requirements are not listed in a chronological or sequential order in col. 9, lines 3-10, this passage also shows that this type of chronological listing is obvious since some requirements must be completed before others.

Specifically, in this passage, Turnbull *shows that to the extent possible, the requirements are performed in parallel, but obviously, as described below, some requirements within a stage must be completed before initiation of other requirements within this stage. One important aspect of requirements 404-1 is that upon successful completion of requirements 404-1, all the basic work has been completed for initiation of requirements 404-2 in engineering samples stage 401-2.* Therefore, as requirements are listed, some of these requirements may not be in chronological order in some instances, but for certain requirements, where a stage must be completed before initiation of other requirements within the stage, it is obvious that these requirements are listed in chronological order, or at least appear, or are in an order as they are required to be completed for each stage, thereby making an ordered listing comprising a sequential order for installing additional components obvious. Turnbull discloses this limitation in an analogous art for the purpose of showing that requirements for developing a product [which includes component installation] are performed in a specific order.

It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to utilize an ordered listing, where the ordered listing provides an order that is required for installing the components in the web architecture framework with the motivation of having the means to implement the development of products in a specific order.

As per claim 21, Rassman et al discloses:  
  
displaying a pictorial representation of the existing system, (Col. 2, lines 59-65, [information about available resources in a provided database is being graphically displayed], Col. 14, lines 13-16, Fig. 7, [shows how resources 123, 233, 224 {which represent components} are displayed ]);

As per claim 22, Rassman et al discloses:  
  
wherein said additional components are required for an implementation of the system, (Col. 8, lines 61-8, lines 8-36, shows primary and secondary resources, which represent first and second component groups, respectively. Specifically col. 8, lines 15-20 shows that during the display of primary resources, the display of several pieces of data relating to secondary resources can be made (secondary pieces of data represent additional components). Also, specifically, in col. 8, lines 20-36, the implementation of an application where the display of

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secondary resources can be employed to make additional options available, which represent the optional components);

.

As per claim 23, Rassman et al discloses:

wherein proper functioning of the second set of components requires installation of the first set of components in said first phase, (Col. 11, lines 19-24, discloses the establishment of predetermined sequences, where it is necessary that one step be completed before the other).

.

As per claim 24, Rassman et al discloses:

displaying a legend which defines the indicia coding with respect to the phases of delivery of said components, (Col. 7, lines 11-18, Col. 8, lines 5-7 [indicia is being used to define an item]).

.

As per claim 25, Rassman et al discloses:

wherein said indicia coding is selected from the group consisting of , coding, color coding, and shading coding, ...(Col. 6, lines 11-5).

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As per claim 26, Rassman et al does not specifically disclose displaying third indicia coding indicating a sequential order of installing the additional components, however, in col. 6, lines 6-8, shows that the availability and utilization of resources can be displayed as a function of time by use of "scheduling indicia". However, Turnbull, in the abstract, lines 4-13, shows that "each stage in turn includes a set of requirements which must be completed in order for the stage to be completed. Each requirement is provided with a unique identifier for ease of reference to the requirement. Each requirement also has associated with it an indicium for indicating the status of that requirement (i.e. whether the requirement is complete or not). Each stage and its requirements are capable of being visually displayed, typically on a display unit connected to a computer system". It therefore would be obvious to combine Rassman and Turnbull to disclose displaying third indicia coding indicating a sequential order of installing the additional components.

It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to disclose displaying third indicia coding indicating a sequential order of installing the additional components with the motivation of showing a visual representation of the sequential ordering of installation.

***Response to Arguments***

5. Applicant's arguments in the response filed 3/14/11 have been fully considered but they are not persuasive.

Applicants respectfully submit that the cited references are silent with regard to disclosing "wherein the indicia coding is operable for indicating a redundancy in the plurality of components and is also operable for indicating an omission in the plurality of components, the redundancy indicating a component provided by more than one of the vendors and the omission indicating a component not provided by any of the vendors" However, as now disclosed above in the rejection, Turnbull, in col. 3, lines 6-16, discloses "In the drawings, similar features in each part of the product control matrix have a common base reference numeral. To distinguish between similar features in different stages, the base reference numeral is followed by a dash and the number of the stage containing the feature. To further distinguish between similar features within a stage, the stage number is followed by a dash and the similar features are sequentially numbered. When a description refers to any one of the similar features, only the base reference numeral is used as a shorthand notation". Also, in col. 26, lines 44-49, Turnbull discloses "The product control matrix for each of the above cases is identical to that described above except the requirements for the qualified elements are eliminated from the matrix. In FIGS. 8a through 15c, the fields following the requirement numbers which have been eliminated are blank", where examiner interprets the similar features of Turnbull as the "redundancy" of the present invention, and the requirements for the

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qualified elements being eliminated of Turnbull as suggesting the “omission” of the present invention.

### ***Conclusion***

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Akiba K Robinson-Boyce whose telephone number is 571-272-6734. The examiner can normally be reached on Monday-Friday 8:30am-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner’s supervisor, John Hayes can be reached on 571-272-6708. The fax phone numbers for the organization where this application or proceeding is assigned are 703-746-7238 [After final communications, labeled “Box AF”], 703-746-7239 [Official Communications], and 703-746-7150 [Informal/Draft Communications, labeled “PROPOSED” or “DRAFT”].

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

A. R. B.  
March 27, 2011

/Akiba K Robinson-Boyce/

Primary Examiner, Art Unit 3628